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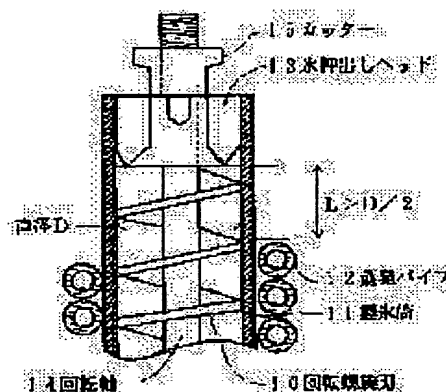
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(54) AUGER TYPE ICE-MAKING MACHINE

(57)Abstract:

PROBLEM TO BE SOLVED: To prevent the blocking of ice, and the generation of friction noise at the dropped environmental temperature by specifying the distance between the lower edge part of an ice pushing out head and the upper edge part of an evaporating pipe in the unit having an ice making part provided with the ice pushing out head and a cutter on the outlet side of an ice making cylinder.

SOLUTION: Ice making water supplied through a water supplying pipe 18 into a ice making cylinder 11 is frozen to ice comprising ice films by an evaporating pipe 12 chilled by the operation of a refrigerator. The ice films are scraped by a spiral rotating blade 10, transferred upward, pushed into the opening path between the fixed blades of the ice pushing out head 13, shaped into a column and formed into ice pieces being cut by a cutter 15. In such an auger type ice making machine, the distance L between the upper edge of the evaporating pipe 12 wound on the outer circumference of the ice making cylinder 11 and the lower edge part of the ice pushing out head 13 is set to be the distance equivalent to the half of the inner diameter D of the ice making cylinder or more. Therefore, when the temperature of refrigerant on the outlet side of the evaporation pipe 12 is dropped, the ice can be pushed out by the ice pushing out head 13.



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